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on of information unless it contains a valid OMB control number.

Under the Peperwork Reduction Act of 1995, no persons are required to respond to a collection Substitute for form 1449A/PTO Complete if Known INFORMATION DISCLOSURE **Application Number** 09/945,535 STATEMENT BY APPLICANT August 30, 2001 **Filing Date** (Use as many sheets as necessary) **First Named Inventor** Ahn, Kie 2813 Group Art Unit **Examiner Name** Blum, David JUN 1 3 2005 Attorney Docket No: 1303.026US1 Sheet 1 of 3

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US PATENT DOCUMENTS				
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
Par	US-2001/0030352-A1	10/18/2001	Ruff, Alexander, et al.	02/28/2001
	US-2002/0111001-A1	08/15/2002	Ahn, Kie Y.	02/09/2001
	US-2002/0155688-A1	10/24/2002	Ahn, Kie Y.	04/20/2001
	US-2002/0155689-A1	10/24/2002	Ahn, Kie Y.	02/11/2002
	US-2002/0192975-A1	12/19/2002	Ahn, Kie Y.	06/17/2002
	US-2002/0192979-A1	12/19/2002	Ahn, Kie Y.	06/17/2002
	US-2003/0003702-A1	01/02/2003	Ahn, Kie Y.	08/26/2002
	US-2003/0017717-A1	01/23/2003	Ahn, Kie Y.	07/18/2001
	US-2003/0043637-A1	03/06/2003	Forbes, Leonard, et al.	08/30/2001
	US-2003/0045060-A1	03/06/2003	Ahn, Kie Y.	08/30/2001
	US-2003/0049942-A1	03/13/2003	Haukka, S., et al.	08/22/2002
!	US-2003/0119246-A1	06/26/2003	Ahn, Kie Y.	12/20/2001
i	US-2003/0119291-A1	06/26/2003	Ahn, Kie Y., et al.	12/20/2001
	US-2003/0132491-A1	07/17/2003	Ahn, Kie Y.	01/17/2002
	US-2003/0185980-A1	10/02/2003	Endo, K.	03/31/2003
	US-2003/0207032-A1	11/06/2003	Ahn, Kie Y., et al.	05/02/2002
	US-2003/0207540-A1	11/06/2003	Ahn, Kie Y., et al.	05/02/2002
	US-2003/0227033-A1	12/11/2003	Ahn, Kie Y., et al.	06/05/2002
	US-2004/0007171-A1	01/15/2004	Ritala, Mikko, et al.	07/10/2003
	US-2004/0009679-A1	01/15/2004	Yeo, J., et al.	07/10/2003
	US-2004/0023461-A1	02/05/2004	Ahn, Kie Y., et al.	07/30/2002
	US-2004/0033661-A1	02/19/2004	Yeo, J., et al.	06/02/2003
	US-2004/0038554-A1	02/26/2004	Ahn, Kie Y.	08/21/2002
	US-2004/0043541-A1	03/04/2004	Ahn, Kie Y.	08/29/2002
	US-2004/0043569-A1	03/04/2004	Ahn, Kie Y.	08/28/2002
	US-2004/0110348-A1	06/10/2004	Ahn, Kie Y., et al.	12/04/2002
	US-2004/0110391-A1	06/10/2004	Ahn, K. Y., et al.	12/04/2002
	US-2004/0134365-A1	08/26/2004	Ahn, Kie Y., et al.	02/27/2004
	US-2004/0144980-A1	07/29/2004	Ahn, Kie Y., et al.	01/29/2003
	US-2004/0164357-A1	08/26/2004	Ahn, Kie Y., et al.	02/27/2004
	US-2004/0168627-A1	09/02/2004	Conley, Jr., J. F., et al.	02/27/2003
	US-2004/0171280-A1	09/02/2004	Conley, Jr., J. F., et al.	02/27/2003
	US-2004/0175882-A1	09/09/2004	Ahn, Kie Y., et al.	03/04/2003
	US-2004/0183108-A1	09/23/2004	Ahn, Kie Y.	01/27/2004
	US-2004/0185654-A1	09/23/2004	Ahn, Kie Y.	01/30/2004
	US-2004/0203254-A1	10/14/2004	Conley, Jr., J. F., et al.	04/11/2003
	US-2004/0235313-A1	11/25/2004	Frank, M. M., et al.	06/24/2004
_	US-2004/0266217-A1	12/30/2004	Kim, K., et al.	06/23/2004
-\-	US-2005/0009370-A1	01/13/2005	Ahn, Kie Y.	08/04/2004
	US-2005/0023578-A1	02/03/2005	Bhattacharyya, A.	08/25/2004

EXAMINER A SA DATE CONSIDERED (///c5

PTC/SS/084(10-01)
Approved for use through 10/31/2002, OMB 851-0031
US Parent & Traisment Office U.S. DEPARTMENT OF COMMERCE
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Substitute for form 1449A/PTO	Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	09/945,535	
(Use as many sheets as necessary)	Filing Date	August 30, 2001	
0112	First Named Inventor	Ahn, Kie	
	Group Art Unit	2813	
COUR 1 3 MUL	Examiner Name	Blum, David	
Sheet 2 of 3	Attorney Docket No: 1303.026US1		

US-2005/0023694-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0023624-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0023625-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0023625-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0023627-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0023627-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0023627-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0026374-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029647-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029604-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029604-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029604-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/003292-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0032693-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0032693-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0032693-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0037563-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0051828-A1 03/10/2005 Park, K., et al. 04/21/2004 US-2005/00571828-A1 03/10/2005 Ahn, K. Y., et al. 04/21/2004 US-2005/00571828-A1 03/10/2005 Ahn, K. Y., et al. 03/31/2003 US-5,562,952 10/08/1997 Seabury, C. W., et al. 03/31/2003 US-5,662,853 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,674,563 10/07/1997 Tarul, Yasuo, et al. 09/14/1994 US-5,674,563 10/07/1998 Teraguchi, Nobuaki 04/22/1996 US-5,674,563 10/07/1998 Teraguchi, Nobuaki 04/22/1996 US-5,674,563 10/07/1998 Teraguchi, Nobuaki 04/22/1996 US-6,699,747 03/02/2004 Ruff, Alexander, et al. 10/13/2000 US-6,699,747 03/02/2004 Ramdani, J., et al. 10/13/2002 US-6,699,747 03/02/2004 Ahn, Kie Y., et al. 06/21/2001 US-6,790,791 09/14/2003 Ritala, M., et al. 06/21/2001 US-6,790,791 09/14/2004 Ahn, Kie Y., et al. 08/15/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,890,122 05/31/2005 Ahn, K. Y., et al. 02/20/2002 US-6,900,122 05/31/2005 Ahn, K. Y., et al. 02/20/2002		110 0005/000056 :	00/00/0005	TAL 12 32 1 1	T
US-2005/0023625-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0023625-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0023626-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0023627-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0023627-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/00296374-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029647-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029604-A1 02/21/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029605-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0039605-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0037563-A1 02/17/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0037563-A1 02/17/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0051828-A1 03/10/2005 Ahn, K. Y., et al. 04/21/2004 US-2005/0054165-A1 03/10/2005 Ahn, K. Y., et al. 04/21/2004 US-2005/0054165-A1 03/10/2005 Ahn, K. Y., et al. 04/21/2004 US-2005/005719-A1 04/14/2005 Ahn, K. Y., et al. 03/31/2003 US-5,562,952 10/08/1996 Nakahigashi, Takahiro, et al. 10/10/2003 US-5,646,583 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,645,553 10/07/1997 Tarui, Yasuo, et al. 09/14/1994 US-5,6751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,632,279 10/14/2003 Ritala, M., et al. 09/17/1997 US-6,632,279 10/14/2004 Ruff, Alexander, et al. 10/13/2000 US-6,699,747 03/02/2004 Ramdani, J., et al. 06/21/2001 US-6,699,747 03/02/2004 Ramdani, J., et al. 06/21/2001 US-6,699,747 03/02/2004 Ramdani, J., et al. 06/21/2001 US-6,699,749 09/14/2004 Ahn, Kie Y. et al. 08/15/2002 US-6,893,984 05/17/2004 Ahn, K. Y., et al. 08/15/2002 US-6,883,39 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 06/21/2001	115		 		
US-2005/0023625-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0023626-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0023627-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0026374-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029547-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029604-A1 02/21/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029605-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029605-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/003292-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/003292-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0037563-A1 02/17/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0051828-A1 03/10/2005 Ahn, K. Y., et al. 04/21/2004 US-2005/0051828-A1 03/10/2005 Ahn, K. Y., et al. 04/21/2004 US-2005/0051828-A1 03/10/2005 Ahn, K. Y., et al. 04/21/2004 US-2005/0057189-A1 04/14/2005 Ahn, K. Y., et al. 03/31/2003 US-2005/0057189-A1 04/14/2005 Ahn, K. Y., et al. 03/31/2003 US-5,662,952 10/08/1996 Nakahigashi, Takahiro, et al. 10/10/2003 US-5,662,952 10/08/1997 Seabury, C. W., et al. 01/04/1995 US-5,674,563 10/07/1997 Tarui, Yasuo, et al. 09/14/1994 US-5,674,563 10/07/1997 Tarui, Yasuo, et al. 09/14/1994 US-5,675,1021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,827,571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M., et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander, et al. 11/18/2002 US-6,790,989 03/23/2004 Ramdani, J., et al. 06/21/2001 US-6,790,791 09/14/2004 Ahn, Kie Y., et al. 03/13/2002 US-6,886,32 12/07/2004 Ahn, Kie Y., et al. 03/13/2002 US-6,886,32 12/07/2004 Ahn, K. Y., et al. 03/13/2002 US-6,886,33 12/07/2004 Ahn, K. Y., et al. 08/15/2002 US-6,886,39,984 05/17/2005 Ahn, K. Y., et al. 08/15/2002					
US-2005/0023626-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0026374-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029647-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/002964-A1 02/21/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029604-A1 02/21/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029605-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/003292-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0037693-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0037693-A1 02/17/2005 Ahn, Kie Y. 08/31/2004 US-2005/0037693-A1 03/10/2005 Ahn, Kie Y. 08/31/2004 US-2005/0051828-A1 03/10/2005 Ahn, Kie Y. 08/31/2004 US-2005/0051828-A1 03/10/2005 Ahn, K. Y., et al. 04/21/2004 US-2005/0057693-A1 03/10/2005 Ahn, K. Y., et al. 03/31/2003 US-2005/0077519-A1 04/14/2005 Ahn, Kie , et al. 10/10/2003 US-5,646,583 07/08/1997 Seabury, C. W., et al. 04/04/1995 US-5,646,583 07/08/1997 Seabury, C. W., et al. 09/14/1994 US-5,7751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,632,279 10/14/2003 Ritala, M., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M., et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander , et al. 10/31/2002 US-6,799,989 03/23/2004 Ramdani, J., et al. 06/21/2001 US-6,797,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,828,632 12/07/2004 Ahn, Kie Y., et al. 08/15/2002 US-6,828,632 12/07/2004 Ahn, Kie Y., et al. 03/13/2002 US-6,828,632 12/07/2004 Ahn, Kie Y., et al. 03/13/2002 US-6,828,632 12/07/2004 Ahn, Kie Y., et al. 03/13/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 03/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 03/15/2002		+			
US-2005/0023627-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0026374-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/002964-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029604-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029605-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/00329204 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0032292-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0037563-A1 02/17/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/003763-A1 02/17/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0051828-A1 03/10/2005 Park, K., et al. 04/21/2004 US-2005/0054165-A1 03/10/2005 Ahn, K. Y., et al. 03/31/2003 US-2005/0077519-A1 04/14/2005 Ahn, K. Y., et al. 10/10/2003 US-5,562,952 10/08/1996 Nakahigashi, Takahiro, et al. 10/10/2003 US-5,646,583 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,674,563 10/07/1997 Tarui, Yasuo, et al. 09/14/1994 US-5,674,563 10/07/1998 Lee, Seaung S., et al. 09/14/1994 US-5,632,7571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M., et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander, et al. 11/18/2002 US-6,799,989 03/23/2004 Ramdani, J., et al. 06/21/2001 US-6,790,989 03/23/2004 Ramdani, J., et al. 06/21/2001 US-6,790,791 09/14/2004 Ahn, Kie Y. et al. 08/15/2002 US-6,812,100 11/02/2004 Ahn, K. Y., et al. 03/13/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 02/20/2002					- I - · · · - · · · · · · · · · · · · ·
US-2005/0026374-A1 02/03/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029604-A1 02/21/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029604-A1 02/21/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029605-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0032992-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0037563-A1 02/17/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0037563-A1 02/17/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0037563-A1 02/17/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0051828-A1 03/10/2005 Park, K. , et al. 04/21/2004 US-2005/0054165-A1 03/10/2005 Ahn, K. Y., et al. 03/31/2003 US-2005/0077519-A1 04/14/2005 Ahn, Kie, et al. 10/10/2003 US-5,562,952 10/08/1996 Nakahigashi, Takahiro, et al. 04/04/1995 US-5,646,583 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,646,583 10/07/1997 Tarui, Yasuo, et al. 09/14/1994 US-5,751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,827,571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M., et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,790,989 03/23/2004 Ramdani, J., et al. 10/31/2002 US-6,770,989 03/23/2004 Ramdani, J., et al. 06/21/2001 US-6,777,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,787,413 09/07/2004 Ahn, Kie Y., et al. 08/15/2002 US-6,812,100 11/02/2004 Ahn, Kie Y., et al. 08/15/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,888,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,889,984 05/17/2005 Ahn, K. Y., et al. 08/15/2002					08/31/2004
US-2005/0029547-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029604-A1 02/21/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/00329605-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/003292-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0037563-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0037563-A1 02/10/2005 Park, K., et al. 04/21/2004 US-2005/0051828-A1 03/10/2005 Park, K., et al. 04/21/2004 US-2005/0054165-A1 03/10/2005 Ahn, Kie , et al. 04/21/2004 US-2005/007519-A1 04/14/2005 Ahn, Kie , et al. 03/31/2003 US-5,562,952 10/08/1996 Nakahigashi, Takahiro , et al. 10/10/2003 US-5,646,583 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,674,563 10/07/1997 Tarui, Yasuo , et al. 09/14/1994 US-5,751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,827,571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M., et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander , et al. 11/18/2002 US-6,799,989 03/23/2004 Ramdani, J., et al. 06/21/2001 US-6,790,791 09/14/2004 Ahn, Kie Y. 06/17/2002 US-6,812,100 11/02/2004 Ahn, Kie Y., et al. 08/15/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,883,984 05/17/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 08/15/2002					08/31/2004
US-2005/0029604-A1 02/21/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0029605-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0032292-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0037563-A1 02/17/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0051828-A1 03/10/2005 Park, K. , et al. 04/21/2004 US-2005/0054165-A1 03/10/2005 Ahn, K. Y., et al. 03/31/2003 US-2005/0077519-A1 04/14/2005 Ahn, K. Y., et al. 03/31/2003 US-5,562,952 10/08/1996 Nakahigashi, Takahiro , et al. 10/10/2003 US-5,646,583 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,674,563 10/07/1997 Tarui, Yasuo , et al. 09/14/1994 US-5,751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,827,571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M. , et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander , et al. 10/31/2002 US-6,777,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,787,413 09/07/2004 Ahn, Kie Y. 06/17/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 09/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 09/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 09/20/2002					08/31/2004
US-2005/0029605-A1 02/10/2005 Ahn, K Y., et al. 08/31/2004 US-2005/0032292-A1 02/10/2005 Ahn, K Y., et al. 08/31/2004 US-2005/0037563-A1 02/17/2005 Ahn, Kie Y. 08/31/2004 US-2005/0051828-A1 03/10/2005 Park, K., et al. 04/21/2004 US-2005/0054165-A1 03/10/2005 Ahn, K Y., et al. 03/31/2003 US-2005/0077519-A1 04/14/2005 Ahn, K Y., et al. 10/10/2003 US-5,562,952 10/08/1996 Nakahigashi, Takahiro , et al. 04/04/1995 US-5,646,583 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,674,563 10/07/1997 Tarui, Yasuo , et al. 09/14/1994 US-5,751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,827,571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M., et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander , et al. 11/18/2002 US-6,777,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,787,413 09/07/2004 Ahn, Kie Y. et al. 08/15/2002 US-6,812,100 11/02/2004 Ahn, Kie Y., et al. 08/15/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 02/20/2002					08/31/2004
US-2005/0032292-A1 02/10/2005 Ahn, K. Y., et al. 08/31/2004 US-2005/0037563-A1 02/17/2005 Ahn, Kie Y. 08/31/2004 US-2005/0051828-A1 03/10/2005 Park, K., et al. 04/21/2004 US-2005/0054165-A1 03/10/2005 Ahn, K. Y., et al. 03/31/2003 US-2005/0054165-A1 03/10/2005 Ahn, K. Y., et al. 03/31/2003 US-2005/0077519-A1 04/14/2005 Ahn, Kie , et al. 10/10/2003 US-5,562,952 10/08/1996 Nakahigashi, Takahiro , et al. 04/04/1995 US-5,646,583 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,674,563 10/07/1997 Tarui, Yasuo , et al. 09/14/1994 US-5,751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,827,571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M., et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander , et al. 11/18/2002 US-6,709,989 03/23/2004 Ramdani, J., et al. 06/21/2001 US-6,777,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,787,413 09/07/2004 Ahn, Kie Y. 06/17/2002 US-6,812,100 11/02/2004 Ahn, Kie Y., et al. 03/13/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,883,984 05/17/2005 Ahn, K. Y., et al. 02/20/2002		 			08/31/2004
US-2005/0037563-A1 02/17/2005 Ahn, Kie Y. 08/31/2004 US-2005/0051828-A1 03/10/2005 Park, K., et al. 04/21/2004 US-2005/0054165-A1 03/10/2005 Ahn, K. Y., et al. 03/31/2003 US-2005/0077519-A1 04/14/2005 Ahn, Kie , et al. 10/10/2003 US-5,562,952 10/08/1996 Nakahigashi, Takahiro , et al. 04/04/1995 US-5,646,583 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,674,563 10/07/1997 Tarui, Yasuo , et al. 09/14/1994 US-5,751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,827,571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M. , et al. 10/13/2000 US-6,689,747 03/02/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander , et al. 11/18/2002 US-6,709,989 03/23/2004 Putkonen, M. 04/08/2003 US-6,787,413 09/07/2004 Ahn, Kie Y. 06/17/2002 US-6,812,100 11/02/2004 Ahn, Kie Y., et al. 08/15/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 08/15/2002					08/31/2004
US-2005/0051828-A1 03/10/2005 Park, K. , et al. 04/21/2004 US-2005/0054165-A1 03/10/2005 Ahn, K. Y., et al. 03/31/2003 US-2005/0077519-A1 04/14/2005 Ahn, Kie , et al. 10/10/2003 US-5,562,952 10/08/1996 Nakahigashi, Takahiro , et al. 04/04/1995 US-5,646,583 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,674,563 10/07/1997 Tarui, Yasuo , et al. 09/14/1994 US-5,751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,827,571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M. , et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander , et al. 11/18/2002 US-6,709,989 03/23/2004 Ramdani, J. , et al. 06/21/2001 US-6,777,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,787,413 09/07/2004 Ahn, Kie Y. 06/17/2002 US-6,812,100 11/02/2004 Ahn, Kie Y. 06/17/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 02/20/2002				Ahn, K. Y., et al.	08/31/2004
US-2005/0054165-A1 03/10/2005 Ahn, K. Y., et al. 03/31/2003 US-2005/0077519-A1 04/14/2005 Ahn, Kie, et al. 10/10/2003 US-5,562,952 10/08/1996 Nakahigashi, Takahiro, et al. 04/04/1995 US-5,646,583 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,674,563 10/07/1997 Tarui, Yasuo, et al. 09/14/1994 US-5,751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,827,571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M., et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander, et al. 11/18/2002 US-6,709,989 03/23/2004 Ramdani, J., et al. 06/21/2001 US-6,777,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,787,413 09/07/2004 Ahn, Kie Y. 06/17/2002 US-6,812,100 11/02/2004 Ahn, Kie Y., et al. 08/15/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 08/15/2002					08/31/2004
US-2005/0077519-A1 04/14/2005 Ahn, Kie , et al. 10/10/2003 US-5,562,952 10/08/1996 Nakahigashi, Takahiro , et al. 04/04/1995 US-5,646,583 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,674,563 10/07/1997 Tarui, Yasuo , et al. 09/14/1994 US-5,751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,827,571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M. , et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander , et al. 11/18/2002 US-6,709,989 03/23/2004 Ramdani, J. , et al. 06/21/2001 US-6,777,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,787,413 09/07/2004 Ahn, Kie Y. 06/17/2002 US-6,790,791 09/14/2004 Ahn, Kie Y. 06/17/2002 US-6,812,100 11/02/2004 Ahn, Kie Y., et al. 03/13/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002				Park, K., et al.	04/21/2004
US-5,562,952 10/08/1996 Nakahigashi, Takahiro , et al. 04/04/1995 US-5,646,583 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,674,563 10/07/1997 Tarui, Yasuo , et al. 09/14/1994 US-5,751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,827,571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M., et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander , et al. 11/18/2002 US-6,709,989 03/23/2004 Ramdani, J. , et al. 06/21/2001 US-6,777,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,790,791 09/14/2004 Ahn, Kie Y. 06/17/2002 US-6,812,100 11/02/2004 Ahn, K. Y., et al. 03/13/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 08/15/2002				Ahn, K. Y., et al.	03/31/2003
US-5,646,583 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,674,563 10/07/1997 Tarui, Yasuo, et al. 09/14/1994 US-5,751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,827,571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M., et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander, et al. 11/18/2002 US-6,709,989 03/23/2004 Ramdani, J., et al. 06/21/2001 US-6,777,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,787,413 09/07/2004 Ahn, Kie Y. 06/17/2002 US-6,812,100 11/02/2004 Ahn, Kie Y., et al. 03/13/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 02/20/2002					10/10/2003
US-5,646,583 07/08/1997 Seabury, C. W., et al. 01/04/1996 US-5,674,563 10/07/1997 Tarui, Yasuo, et al. 09/14/1994 US-5,751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,827,571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M., et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander, et al. 11/18/2002 US-6,709,989 03/23/2004 Ramdani, J., et al. 06/21/2001 US-6,777,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,787,413 09/07/2004 Ahn, Kie Y. 06/17/2002 US-6,812,100 11/02/2004 Ahn, Kie Y., et al. 03/13/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 02/20/2002			10/08/1996	Nakahigashi, Takahiro , et al.	04/04/1995
US-5,674,563				Seabury, C. W., et al.	01/04/1996
US-5,751,021 05/12/1998 Teraguchi, Nobuaki 04/22/1996 US-5,827,571 10/27/1998 Lee, Seaung S., et al. 09/17/1997 US-6,632,279 10/14/2003 Ritala, M., et al. 10/13/2000 US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander, et al. 11/18/2002 US-6,709,989 03/23/2004 Ramdani, J., et al. 06/21/2001 US-6,777,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,787,413 09/07/2004 Ahn, Kie Y. 06/17/2002 US-6,790,791 09/14/2004 Ahn, Kie Y., et al. 08/15/2002 US-6,812,100 11/02/2004 Ahn, K. Y., et al. 03/13/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 02/20/2002			10/07/1997		
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US-6,686,212 02/03/2004 Conley, Jr., J. F., et al. 10/31/2002 US-6,699,747 03/02/2004 Ruff, Alexander , et al. 11/18/2002 US-6,709,989 03/23/2004 Ramdani, J. , et al. 06/21/2001 US-6,777,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,787,413 09/07/2004 Ahn, Kie Y. 06/17/2002 US-6,790,791 09/14/2004 Ahn, Kie Y., et al. 08/15/2002 US-6,812,100 11/02/2004 Ahn, K. Y., et al. 03/13/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 02/20/2002			10/27/1998		09/17/1997
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US-6,699,747 03/02/2004 Ruff, Alexander , et al. 11/18/2002 US-6,709,989 03/23/2004 Ramdani, J. , et al. 06/21/2001 US-6,777,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,787,413 09/07/2004 Ahn, Kie Y. 06/17/2002 US-6,790,791 09/14/2004 Ahn, Kie Y., et al. 08/15/2002 US-6,812,100 11/02/2004 Ahn, K. Y., et al. 03/13/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 02/20/2002				Conley, Jr., J. F., et al.	
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US-6,777,353 08/17/2004 Putkonen, M. 04/08/2003 US-6,787,413 09/07/2004 Ahn, Kie Y. 06/17/2002 US-6,790,791 09/14/2004 Ahn, Kie Y., et al. 08/15/2002 US-6,812,100 11/02/2004 Ahn, K. Y., et al. 03/13/2002 US-6,828,632 12/07/2004 Bhattacharyya, A. 07/18/2002 US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 02/20/2002				Ramdani, J. , et al.	06/21/2001
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US-6,884,739 04/26/2005 Ahn, K. Y., et al. 08/15/2002 US-6,893,984 05/17/2005 Ahn, K. Y., et al. 02/20/2002			12/07/2004		
US-6,893,984 05/17/2005 Ahn, K. Y., et al. 02/20/2002			04/26/2005	Ahn, K. Y., et al.	
	4/		05/17/2005	Ahn, K. Y., et al.	
	v	US-6,900,122	05/31/2005		12/20/2001

	-	FOREIGN PATENT	DOCUMENTS	
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T²
ps	WO-04079796A3	09/16/2004	Ahn, K. Y., et al.	

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 $\mathbf{Q}_{\mathbf{q}}^{(1)}, \mathbf{q}_{\mathbf{q}}^{(2)}$

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US Patent & Trademark Office: US, DEPARTMENT OF COUMERCE

Substitute for form 1449A/PTO	Complete if Known	required to respond to a conscion or into mason university portions a value Owlo control number	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number	09/945,535	
Use as many sheets as notes and	Filing Date	August 30, 2001	
0	First Named Inventor	Ahn, Kie	
/ ange 3	Group Art Unit	2813	
(JUH 1 3 2005	Examiner Name	Blum, David	
Sheet 3 of 3	Attorney Docket No: 1303.026US1		

	OTHER DOCUMENTS NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No ¹	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	4.		
		CHIN, A., et al., "High Quality La2O3 and Al2O3 Gate Dielectrics with			
12		Equivalent Oxide Thickness 5-10A", <u>Digest of Technical Papers. 2000</u>			
1/2		Symposium on VLSI Technology, 2000, Honolulu, (June 13-15, 2000), 16-17			
1 1		COPEL, M., et al., "Formation of a stratified lanthanum silicate dielectric by			
1 1		reaction with Si(001)", Applied Physics Letters, 78(11), (March 12, 2001), 1607-			
		1609			
		DIMOULAS, A., et al., "Structural and electrical quality of the high-k dielectric			
1 1		Y2O3 on Si (001): Dependence on growth parameters", Journal of Applied			
		Physics, 92(1), (July 1, 2002), 426-431			
		GUHA, S, et al., "Atomic beam deposition of lanthanum-and yttrium-based oxide			
		thin films for gate dielectrics", Applied Physics Letters, 77, (2000), 2710-2712			
		GUHA, S., et al., "High temperature stability of Al2O3 dielectrics on Si:			
		Interfacial metal diffusion and mobility degradation", Applied Physics Letters, Vol.			
		81, No. 16, (14 October 2002), 2956-2958			
		HUANG, C. H., et al., "La/sub 2/O/sub 3//Si/sub 0.3/Ge/sub 0.7/ p-MOSFETs			
1 1 1		with high hole mobility and good device characteristics", IEEE Electron Device			
		<u>Letters, 23(12),</u> (December 2002), 710-712			
		IWAI, H., et al., "Advanced gate dielectric materials for sub-100 nm CMOS",			
		International Electron Devices Meeting, 2002. IEDM '02. Digest., (December 8-			
		11, 2002), 625-628			
		KO, MYOUNG-GYUN, et al., "High density plasma enhanced atomic layer			
		deposition of lanthanum oxide for high-k gate oxide material", 207th Meeting of			
 		the Electrochemical Society, (May 2005), 1 page			
/		MARIA, J. P., et al., "High temperature stability in lanthanum and zirconia-based			
		gate dielectrics", <u>Journal of Applied Physics</u> , 90(7), (October 1, 2001), 3476-			
		3482			
		MICHAELSON, HERBERT B., "The work function of the elements and its			
		periodicity", Journal of Applied Physics, 48(11), (November 1977), 4729-4733			
		SHIMIZU, TAKASHI, et al., "Electrical Properties of Ruthenium/Metalorganic			
		Chemical Vapor Deposited La-Oxide/Si Field Effect Transistors", <u>Jpn. J. Appl.</u>			
 		Phys., Vol. 42, Part 2, No. 11A, (2003), L1315-L1317			
	ļ	YAMADA, HIROTOSHI, et al., "MOCVD of High-Dielectric-Constant Lanthanum			
	j	Oxide Thin Films", <u>Journal of The Electrochemical Society, 150(8)</u> , (August			
 		2003), G429-G435 ZHONG HUICAL et al. "Floatrical Proportion of By and By CO. Oak Floatrick			
	1	ZHONG, HUICAI, et al., "Electrical Properties of Ru and RuO2 Gate Electrodes			
		for Si-PMOSFET with ZrO2 and Zr-Silicate Dielectrics", <u>Journal of Electronic</u> <u>Materials</u> , 30(12), (December 2001), 1493			
		Materials, Suffizit (December 2001), 1495			

EXAMINER	02	DATE CONSIDERED (/ 1/65

PTO/SB/084(10-01)
Approved for use through 10/31/2002. Oxide 831-0031
US Patert & Tradement Office U.S. DEPARTMENT OF CONGREGE
Under the Paperwork Raduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMS control number.

Complete if Known Substitute for form 1449A/PTO INFORMATION DISCLOSURE **Application Number** 09/945,535 STATEMENT BY APPLICANT Filing Date August 30, 2001 **First Named Inventor** Ahn, Kie OCT 26 2005 E **Group Art Unit** 2813 **Examiner Name** Blum, David Attorney Docket No: 1303.026US1

US PATENT DOCUMENTS				
Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
125	US-2002/0142536-A1	10/03/2002	Zhang, F., et al.	04/22/2002
	US-2004/0075111-A1	04/22/2004	Chidambarrao, D., et al.	10/10/2003
	US-2004/0156578-A1	08/12/2004	Geusic, Joseph, et al.	02/05/2004
	US-2004/0159863-A1	08/19/2004	Eldridge, Jerome M., et al.	02/18/2004
	US-2004/0164365-A1	08/26/2004	Ahn, Kie Y., et al.	02/27/2004
	US-2004/0219783-A1	11/04/2004	Ahn, Kie Y., et al.	05/25/2004
	US-2004/0233010-A1	11/25/2004	Akram, Salman , et al.	05/22/2003
	US-2004/0264236-A1	12/30/2004	Chae, S., et al.	04/30/2004
	US-2005/0023574-A1	02/03/2005	Forbes, L., et al.	09/02/2004
	US-2005/0023595-A1	02/03/2005	Forbes, L., et al.	08/31/2004
	US-2005/0023602-A1	02/03/2005	Forbes, L., et al.	08/30/2004
	US-2005/0023603-A1	02/03/2005	Eldridge, J. M., et al.	08/30/2004
	US-2005/0024092-A1	02/03/2005	Forbes, L.	08/31/2004
	US-2005/0026349-A1	02/03/2005	Forbes, L., et al.	09/01/2004
	US-2005/0026360-A1	02/03/2005	Geusic, J E., et al.	07/30/2004
	US-2005/0030825-A1	02/10/2005	Ahn, K. Y.	08/31/2004
	US-2005/0032342-A1	02/10/2005	Forbes, L., et al.	08/30/2004
	US-2005/0138262-A1	06/23/2005	Forbes, Leonard	12/18/2003
	US-2005/0140462-A1	06/30/2005	Akram, S., et al.	02/22/2005
	US-2005/0145957-A1	07/07/2005	Ahn, K. Y., et al.	02/16/2005
	US-2005/0158973-A1	07/21/2005	Ahn, K. Y., et al.	01/14/2005
	US-2005/0164521-A1	07/28/2005	Ahn, Kie Y., et al.	03/21/2005
	US-5,049,516	09/17/1991	Arima, H.	12/15/1989
	US-5,426,603	06/20/1995	Nakamura, Masayuki , et al.	01/25/1994
	US-5,981,350	11/09/1999	Geusic, Joseph E., et al.	05/29/1998
	US-6,025,225	02/15/2000	Forbes, Leonard, et al.	01/22/1998
	US-6,090,636	07/18/2000	Geusic, Joseph E., et al.	02/26/1998
	US-6,134,175	10/17/2000	Forbes, Leonard, et al.	08/04/1998
	US-6,150,188	11/21/2000	Geusic, Joseph E., et al.	02/26/1998
	US-6,191,448	02/20/2001	Forbes, Leonard, et al.	03/07/2000
	US-6,198,168	03/06/2001	Geusic, J. E., et al.	01/20/1998
	US-6,317,357	11/13/2001	Forbes, Leonard	05/08/1999
	US-6,381,168	04/30/2002	Forbes, Leonard	02/04/2000
	US-6,399,979	06/04/2002	Noble, Wendell P., et al.	06/16/2000
<u> </u>	US-6,418,050	07/09/2002	Forbes, Leonard	07/27/2001
	US-6,429,065	08/06/2002	Forbes, Leonard	07/27/2001
	US-6,434,041	08/13/2002	Forbes, Leonard, et al.	07/27/2001
[US-6,454,912	09/24/2002	Ahn, Kie Y., et al.	03/15/2001
	US-6,465,298	10/15/2002	Forbes, Leonard, et al.	02/22/2000
V	US-6,476,434	11/05/2002	Noble, Wendell P., et al.	05/16/2000

EXAMINER

DATE CONSIDERED

1/1/05

PTC/SB/084(10-01)
Approved for use through 10/31/2022. Okla 83-10/31
US Peans & Tradement Office: U.S. DEPARTMENT OF CONLEGGE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unitses it contains a valid OMB control number.

Complete if Known Substitute for form 1449A/PTO INFORMATION DISCLOSURE 09/945,535 **Application Number** STATEMENT BY APPLICANT en sheets as necessary) **Filing Date** August 30, 2001 **First Named Inventor** Ahn, Kie 2813 **Group Art Unit Examiner Name** Blum, David Attorney Docket No: 1303.026US1

		US PATE	NT DOCUMENTS	
Examiner initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
Dy	US-6,486,027	11/26/2002	Noble, Wendell P., et al.	03/08/2000
	US-6,486,703	11/26/2002	Noble, Wendell P., et al.	01/08/2001
	US-6,492,233	12/10/2002	Forbes, Leonard, et al.	02/20/2001
	US-6,498,065	12/24/2002	Forbes, Leonard, et al.	08/30/2000
	US-6,515,510	02/04/2003	Noble, Wendell P., et al.	01/08/2001
	US-6,518,615	02/11/2003	Geusic, Joseph E., et al.	08/20/1998
	US-6,526,191	02/25/2003	Geusic, Joseph E., et al.	08/21/2000
	US-6,538,330	03/25/2003	Forbes, Leonard	03/23/2000
	US-6,590,252	07/08/2003	Kutsunai, T., et al.	08/06/2001
	US-6,597,037	07/22/2003	Forbes, Leonard, et al.	09/26/2000
	US-6,689,660	02/10/2004	Noble, Wendell P., et al.	03/17/2000
	US-6,709,978	03/23/2004	Geusic, Joseph E., et al.	03/06/2001
	US-6,723,577	04/20/2004	Geusic, Joseph E., et al.	08/30/2000
	US-6,754,108	06/22/2004	Forbes, L.	08/30/2001
	US-6,756,298	06/29/2004	Ahn, Kie Y., et al.	08/01/2002
	US-6,764,901	07/20/2004	Noble, Wendell P.	04/17/2000
	US-6,777,715	08/17/2004	Geusic, Joseph E., et al.	07/18/2000
	US-6,778,441	08/17/2004	Forbes, L., et al.	08/30/2001
	US-6,787,370	09/07/2004	Forbes, Leonard	12/16/2002
	US-6,804,136	10/12/2004	Forbes, Leonard	06/21/2002
	US-6,812,513	11/02/2004	Geusic, J. E., et al.	02/03/2003
	US-6,812,516	11/02/2004	Noble, Jr., W., et al.	08/28/2002
	US-6,818,937	11/16/2004	Noble, W., et al.	06/04/2002
	US-6,858,120	02/22/2005	Ahn, Kie, et al.	08/09/2002
	US-6,858,444	02/22/2005	Ahn, K. Y., et al.	06/20/2003
	US-6,888,739	05/03/2005	Forbes, L.	06/21/2002
	US-6,914,800	07/05/2005	Ahn, K. Y., et al.	08/31/2004
	US-6,919,266	07/19/2005	Ahn, Kie Y., et al.	07/24/2001
	US-6,921,702	07/26/2005	Ahn, K. Y., et al.	07/30/2002
	US-6,930,059	08/16/2005	Conley, Jr., J. F., et al.	02/27/2003
	US-6,930,346	08/16/2005	Ahn, K. Y., et al.	08/31/2004
V	US-6,958,302	10/25/2005	Ahn, K. Y., et al.	12/04/2002

	OTHE	R DOCUMENTS NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No ¹	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
PS		"Praseodymium Oxide, Pr2O3 For Optical Coating", <u>Technical Publication by CERAC about Praseodymium Oxide</u> , http://www.cerac.com/pubs/proddata/pr2o3.htm, (Sep. 21, 2005), 1-2	

	() (/< /_
EXAMINER	

40

DATE CONSIDERED 1/1/05